SOVIET MATHEMATICS — DOKLADY

ANNUAL INDEX OF AUTHORS

Volumes 25, 26 January–December 1982 Russian Toms 262–267

Abbasov, R. Z. See Mahmudov, A. P. ,

Afraĭmovič, V. S. and Šil'nikov, L. P. *On a bifurcation of codimension 1 leading to the appearance of a countable set of tori* **25** 101

Ahmerov, R. R. and Novikov, V. A. *Investigation of solutions of a differential equation not solved for the leading derivative* **25** 551

Ajupov, Š. A. *On the construction of Jordan algebras of selfadjoint operators* **26** 623

Al'ber, Ja. I. and Rjazanceva, I. P. *Variational inequalities with discontinuous monotone mappings* **25** 206

Aldašev, S. A. *On some boundary value problems for the multidimensional wave equation* **26** 229

Aleksandrov, A. B. *The Hardy classes H^p for $p < 1$ and semi-inner functions in the ball* **25** 145

Algazin, S. D. *On discretization of the Laplace operator* **26** 344

Aliev, R. G. *On the question of necessary and sufficient conditions for unique solvability of an equation with deviating argument and unbounded operator coefficients in Hilbert space* **26** 505

Alimov, Š. A. *On the smoothness of the solution of a problem with oblique derivative* **25** 597

Amonov, B. K. See Lavrent'ev, M. M.

Andrunakievič, A. V. and Andrunakievič, V. A. *Abelian regular ideals of a ring* **25** 462

Andrunakievič, V. A. See Andrunakievič, A. V.

Anikonov, Ju. E. and Bondarenko, A. N. *The inverse problem for the Vlasov equation* **26** 175

Anšakov, O. M. and Ryčkov, S. V. *On multivalued logical calculi* **25** 599

Antonevič, A. B. *On the spectrum of a weighted shift operator on the space $W_p^l(X)$* **25** 772

Arak, T. V. and Zaĭcev, A. Ju. *An estimate of the rate of convergence in the second uniform limit theorem of Kolmogorov* **26** 509

Arhangel'skiĭ, A. V. *On linear homeomorphisms of function spaces* **25** 852

Factorization theorems and function spaces: stability and monolithicity **26** 177

Arhipov, G. I. and Karacuba, A. A. *On the representation of zero by a form in the field of p-adic numbers* **25** 1

Asekritova, I. U. *On some properties of general approximation spaces* **26** 563

Asmanov, S. A. *An algebraic approach to the proof of turnpike theorems* **25** 413

Avakov, E. R. *Regularization conditions for an approximating family of maximin problems with respect to associated sets* **25** 312
Azamov, A. *Duality of linear differential games of pursuit* **25** 409
Azimov, A. Ja. *Duality in vector optimization problems* **26** 170
Azlarov, T. A. and Muhamedhanova, R. *A class of limit distributions for a statistical estimator of entropy in a polynomial scheme* **25** 699
Babaev, M.-B. A. *Extremal elements and the value of the best approximation of a monotone function in R^n by sums of functions of fewer variables* ... **26** 1
Babenko, K. I. *On periodic solutions of the problem of flow of a viscous fluid past a body* **25** 211
On the asymptotics of the eigenvalues of the linearized Navier-Stokes equations **25** 359
Babikov, G. V. *On the decomposition of matrices over certain universal algebras* **26** 713
Babin, A. V. and Višik, M. I. *Attractors of quasilinear parabolic equations* ... **25** 703
Baderko, E. A. *On a singular problem* **25** 217
Baev, A. D. *Degenerate elliptic equations of higher order and pseudodifferential operators connected with them* **26** 182
Baĭdakov, A. N. *On the solvability of boundary value problems for linear and quasilinear equations of B-elliptic type* **26** 301
Balasanov, Ju. G. and Žurbenko, I. G. *An unimprovable sufficient condition for continuity with probability one of the sample functions of a random process* **25** 317
Balašova, G. S. *Imbedding theorems for some spaces of infinitely differentiable functions, and nonlinear equations with subordinate terms* **25** 466
Barkovskiĭ, Ju. S. *Hypooscillatory and hyperoscillatory differential operators* **26** 567
Bautin, A. N. *On bifurcations in the splitting of a complex equilibrium state with two zero roots into simple states* **25** 707
Bazaliĭ, B. V. *Stability of smooth solutions of the two-phase Stefan problem* .. **25** 46
Beljaev, M. Ju. *Gibbs fields on uniform trees* **25** 710
Belov, Ju. Ja. and Janenko, N. N. *On a system of differential equations in Banach space* **25** 365
Bentkus, R. Ju. and Sušinskas, Ju. V. *On optimal statistical estimators of the spectral density* **25** 415
Bentkus, V. and Račkauskas, A. *Estimates of the rate of convergence in the central limit theorem in the Prohorov metric* **25** 652
Bentkus, V. Ju. *Estimates of the rate of convergence in the central limit theorem in spaces $C(S)$* **26** 349
Berdyšev, V. I. *The metric projection onto the class $H(\Omega)$* **26** 402
Berestova, N. A. *On the asymptotics of the survival probability of a critical branching process in a Markov random environment* **26** 514

Berkolaĭko, M. Z. and Ovčinnikov, V. I. *Inequalities for different metrics and dimensions in symmetric spaces, and imbeddings of generalized Besov spaces* **25** 106
Berman, D. L. *Solution of an extremal problem in operator theory* **26** 113
Bicadze, A. V. *On a nonlinear equation of parabolic type* **25** 856
On the Cauchy problem for a class of nonlinear first-order partial differential equations **26** 5
Blagoveščenskiĭ, Ju. N. and Legostaeva, I. L. *Parametric bounds for a non-parametric trend* **25** 714
Blošanskaja, S. K. *On the existence of associated functions of a second-order operator* **25** 149
Blošanskiĭ, I. L. *Generalized localization for multiple Fourier series and the geometry of measurable sets in N-dimensional space* **26** 405
Bočkarev, S. V. *Construction of bases in finite-dimensional spaces of analytic functions in the disk* **25** 859
Bogdanov, R. I. and Samarov, K. L. *Topology of the constant-energy manifolds of the isosceles three-body problem* **26** 42
Bojanov, B. D. *A generalization of the Markov inequality* **25** 4
Bondarenko, A. N. See Anikonov, Ju. E.
Bondareva, I. N. and Šubin, M. A. *Increasing asymptotic solutions of the Korteweg-de Vries equation and its higher analogues* **26** 716
Borevič, Z. I. and Vavilov, N. A. *On the subgroups of the full linear group over a commutative ring* **26** 679
Borodin, M. A. *On the solvability of the two-phase, time-dependent Stefan problem* **25** 469
Borovik, A. V. *Periodic linear groups of odd characteristic* **26** 484
Borovskih, Ju. V. *Asymptotics of ω^2-statistics* **25** 554
Borovskiĭ, Ju. V. *Two-sided closed ideals in the hyperenvelope of a semisimple Lie algebra* **26** 118
Brykalov, S. A. *Boundary value problems for functional-differential inclusions* **26** 410
Bubnov, B. A. *Boundary value problems for a class of equations containing a time derivative* **26** 233
Bubnov, B. A. and Vragov, V. N. *On the theory of well-posed boundary value problems for some classes of ultrahyperbolic equations* **25** 719
Bulinskiĭ, A. V. *On the rate of convergence in the functional law of the iterated logarithm* **25** 322
On a form of the invariance principle **26** 519
Burenkov, V. I. and Gol'dman, M. L. *On estimates of the norms of operators in spaces of periodic and nonperiodic functions* **26** 753
Burgin, M. S. *Generalized Kolmogorov complexity and duality in computational theory* **25** 559
Complexity of parallel algorithms and computations **26** 46

Butuzov, V. F. and Nesterov, A. V. *On some singularly perturbed problems with nonsmooth boundary functions* **25** 420
Bykova, E. I. *Estimates of the rate of convergence of projection-difference schemes for time-dependent problems with singularities in the coefficients* **25** 861
Bykovskiĭ, V. A. *On a summation formula in the spectral theory of automorphic functions and its applications in analytic number theory* **25** 608
Čahkiev, M. A. *The optimality of equidistant knots* **25** 766
Čečkin, A. V. *Ultramappings of topological spaces* **25** 308
Ultraoperators in the theory of information systems **25** 355
Čeredničenko, V. G. *Univalent functions and the inverse potential problem* ... **25** 592
Černjakov, A. G. See Veršik, A. M.
Čin′ Ngok Min′ (Chin Ngok Minh) and Simonenko, I. B. *On the index and homotopy classification of families of singular operators with a Carleman shift* **25** 503
Čistjakov, V. P. *Some remarks on the method of regularization* **26** 269
Čobanjan, S. A. See Vahanija, N. N.
Čuhrov, I. P. *On the number of irredundant disjunctive normal forms* **25** 254
Danilin, A. R. See Tanana, V. P.
Danilov, E. A. *The dependence of the number of solutions of the homogeneous Riemann problem on the contour and the modulus of the coefficient* **25** 870
Davydov, Ju. M. *On mesh-distance finiteness of the influence of boundary conditions* **25** 472
Degtjarev, L. M. See Vabiščevič, P. N.
Denisov, V. N. *On necessary conditions for uniform stabilization in all of E^n of the solution of the Cauchy problem in a class of initial functions having power growth* **25** 110
Djurkovič, E. [Gyurkovics]. *A numerical method for solving linear time-optimal problems with an estimate of accuracy* **26** 132
Dmitriev, M. G. *Differential relations for an initial jump in a singularly perturbed problem and their applications* **25** 730
Dovbuš, P. V. (see also Gavrilov, V. I.)
Boundary behavior of normal holomorphic functions of several complex variables **25** 267
Drozdov, V. V. See Vabiščevič, P. N.
Drožžinov, Ju. N. See Zav′jalov, B. I.
Druguš, Ja. M. *Forest superintuitionistic logics* **25** 64
Dubinskiĭ, Ju. A. *An algebra of differential operators of infinite order and pseudodifferential equations with an analytic symbol* **25** 734
The Cauchy problem for partial differential equations with complex variables **25** 786
Dubrovin, B. A. *Analytic properties of spectral data for nonselfadjoint linear operators connected with real periodic solutions of the sine-Gordon equation* **26** 127

Dubrovin, B. A. and Novikov, S. P. *Algebro-geometric Poisson brackets for real finite-zone solutions of the sine-Gordon equation and the nonlinear Schrödinger equation* **26** 760
Dubrovskiĭ, V. V. See Sadovničiĭ, V. A.
Džabrailov, A. D. and Mamedov, R. Š. *L_q-estimates of functions in weighted spaces normed with the help of a given set of mixed derivatives* **25** 163
Džavadov, R. M. *On the complexity of approximate assignment of functions in the algebra of logic* **26** 16
Egorov, Ju. V. *On the uniqueness of the solution of the Cauchy problem* **25** 739
Èĭjubov, R. A. *On an asymptotic solution of a boundary value problem for a nonlinear elliptic equation that degenerates into a parabolic equation* **26** 559
Eliseev, A. G. and Lomov, S. A. *Perturbation theory in a Banach space* **25** 576
Emel'janov, K. V. *A truncated difference scheme for a linear singularly perturbed boundary-value problem* **25** 168
Èneev, T. M. and Kozlov, N. N. *On a new method of numerical simulation of the evolution of complex discrete systems* **25** 457
Èrdal, R. M. [Erdahl]. See Ryškov, S. S.
Eršov, Ju. L. *Totally real field extensions* **25** 477
Regularly r-closed fields **26** 363
Fage, D. M. *On a nonlinear problem with a constraint of evolution type* **25** 91
Fedorčuk, V. V. *Exponentials of Peano continua—fiberwise version* **25** 36
Fedorjuk, M. V. *A Sturm-Liouville problem with regular singularities* **26** 706
Fedosov, V. P. and Janenko, N. N. *Solution of a mixed problem for the wave equation* **25** 96
Fridman, G. Š. See Il'ev, V. P.
Fursikov, A. V. *Properties of solutions of some control problems connected with the Navier-Stokes system* **25** 40
Gabov, S. A. and Svešnikov, A. G. *On the diffraction of internal waves by the edge of an ice field* **26** 8
Gadžiev, A. D. *Multipliers of Fourier series in spherical functions and properties of the symbol of a multidimensional singular operator* **26** 304
Galaktionov, V. A. *On localization conditions for unbounded solutions of quasilinear parabolic equations* **25** 775
Approximate self-similar solutions of the heat equation **26** 121
Ganjuškin, A. G. *Subdirect and stratified products of groups* **26** 487
Gaponenko, Ju. L. (see also Vinokurov, V. A.)
The contracting compactum principle for solving ill-posed problems **25** 515
Garadžaev, A. *On spectral theory for problems on normal oscillations of an ideal fluid in rotating elastic containers* **25** 611
Gasymov, M. G. *Uniqueness of the solution of the inverse problem of scattering theory for a class of ordinary differential operators of even order* **26** 434

Gasymov, M. G. and Magerramov, A. M. *Investigation of a class of differential operator pencils of even order* **26** 55
Gavriljuk, I. P. See Voĭcehovskiĭ, S. A.
Gavrilov, V. I. and Dovbuš, P. V. *Boundary singularities generated by cluster sets of functions of several complex variables* **26** 186
Gavrilov, V. I. and Kanatnikov, A. N. *An example of a universal holomorphic function* **26** 52
Gil'man, T. S. and Pokrovskiĭ, A. V. *Forced vibrations of an oscillator with hysteresis taken into account* **25** 424
Gluško, A. V. *Time asymptotics of the solution of the Cauchy problem for the linearized system of Navier-Stokes equations* **25** 725
Gnedenko, B. V. and Senusi-Bereksi, L. *On a property of the limit distributions for the maximum and minimum terms of a variational series* **26** 720
On a property of the logistic distribution **26** 758
Godun, B. V. *Equivalent norms on nonreflexive Banach spaces* **26** 12
On Markuševič bases **26** 281
Gol'dman, M. L. See Burenkov, V. I.
Golubjatnikov, V. P. *On reconstructing the shape of a body from its projections* **25** 62
Gorbacevič, V. V. *Some homotopy properties of the natural fibration for compact homogeneous manifolds* **25** 657
Gordeev, N. L. *On the Stanley conjecture and the classification of finite groups whose algebra of invariants is a complete intersection* **26** 722
Gorohovik, V. V. *On quasidifferentiability of real-valued functions* **26** 491
Govorov, V. M. *The first initial-boundary value problem for a hyperbolic equation with boundary function in L_2* **25** 158
Gromov, V. P. *On expansions in eigenelements of a linear operator* **26** 59
Gulisašvili, A. B. *Estimates for the Pettis integral in interpolation spaces and a generalization of some imbedding theorems* **25** 428
Gurvič, V. A. (see also Gvišiani, A. D.)
On the normal form of positional games **25** 572
Guščin, A. A. *Weakly predictable random fields* **26** 725
Guščin, A. K. *A criterion for uniform stabilization of solutions of the second mixed problem for a parabolic equation* **25** 781
Gvišiani, A. D. and Gurvič, V. A. *Balls in the Hamming metric space* **25** 569
Hačatrjan, R. A. See Pšeničnyĭ, B. N.
Hapaev, M. M. *On linear systems of ordinary differential equations* **26** 341
Havin, V. P. *The indeterminacy principle for one-dimensional M. Riesz potentials* **25** 694
Henkin, G. M. (see also Tumanov, A. E.)
Yang-Mills-Higgs fields as holomorphic vector bundles **26** 224
Hrennikov, A. Ju. *Equations with infinite-dimensional pseudodifferential operators* **26** 779

Ibragimov, A. I. *Some qualitative properties of the solutions of a mixed problem for elliptic equations in nonsmooth domains* **26** 20
Ibragimov, A. I. and Novruzov, A. A. *On the behavior in the neighborhood of a boundary point of the solutions of degenerate second order parabolic equations for the Zaremba problem* **26** 728
Il'ev, V. P. and Fridman, G. Š. *On the problem of approximation by graphs with a fixed number of components* **25** 666
Ingster, Ju. I. *On minimax distinguishability of families of nonparametric hypotheses* **26** 640
Ĭo, I. [Joó] and Nersesjan, A. B. *On the rate of equiconvergence of the spectral resolutions of certain functional-differential operators in specific classes of functions of bounded variation* **25** 790
Iosif'jan, G. A., Oleĭnik, O. A. and Panasenko, G. P. *Asymptotic expansion of a solution of the system of elasticity theory with periodic rapidly oscillating coefficients* **26** 290
Isakov, V. M. *On a class of inverse problems for parabolic equations* **25** 519
Its, A. R. and Petrov, V. E. *"Isomonodromic" solutions of the sine-Gordon equation and the time asymptotics of its rapidly decreasing solutions* **26** 244
Ivanov, A. V. *Boundary value problems for quasilinear degenerate elliptic and parabolic equations of second order* **25** 7
A solution of the van Mill problem on characterizing compact Hausdorff spaces whose superextensions are absolute retracts **25** 68
Ivanov, N. V. *Entropy and Nielsen numbers* **26** 63
Ivanov, N. V. and Turaev, V. G. *A canonical cocycle for the Euler class of a flat vector bundle* **26** 78
Ivaškovič, S. M. See Vituškin, A. G.
Ivriĭ, V. Ja. *On the asymptotics of the eigenvalues for a class of elliptic operators acting in bundles over a manifold with boundary* **25** 370
On quasiclassical spectral asymptotics for the Schrödinger operator on manifolds with boundary and for h-pseudodifferential operators acting in bundles **26** 285
Ivriĭ, V. Ja. and Šubin, M. A. *On the asymptotics of the spectral shift function* **25** 332
Jakubov, S. Ja. *A boundary value problem for the Laplace equation with nonclassical spectral asymptotics* **26** 276
Janenko, N. N. See Belov, Ju. Ja. and Fedosov, V. P.
Judin, A. D. *Complexity of statistical systems* **26** 480
Julmuhametov, R. S. *Asymptotic approximation of subharmonic functions* ... **25** 769
Jurčuk, N. I. *Mixed problems for parabolic equations of variable order* **26** 39
Juškevič, A. A. *Optimal strategies in Markov decision processes with interventions* **25** 847
Jušmanov, S. V. *Covering a graph by a system of shortest simple chains* **26** 501
Kabanihin, S. I. See Romanov, V. G.

Kabanov, Ju. M. *On the rate of convergence of distributions of counting processes to the distribution of a counting process with independent increments* ... **25** 794
Kac, B. A. *The Riemann boundary value problem on a nonrectifiable Jordan curve* ... **26** 695
Kalinin, I. N. and Sterlin, A. M. *On a variant of the modified Lagrange function* ... **26** 692
Kalinkin, A. V. See Sevast'janov, B. A.
Kamynin, L. I. *On the uniqueness of solutions of a linear boundary value problem for a second order elliptic-parabolic equation* ... **25** 118
Kanatnikov, A. N. See Gavrilov, V. I.
Kangužin, B. E. See Sadovničiĭ, V. A.
Kanovič, M. I. *On truth-table reducibilities of problems of extending partial recursive functions* ... **25** 631
On the complexity of the problem of separating recursively enumerable sets **26** 766
Kapcov, O. V. *Extensions of the symmetry of evolution equations* ... **25** 173
Kaporin, I. E. and Nikolaev, E. S. *The method of complete reduction for a system of three-point vector equations of special form* ... **25** 798
Kapustin, N. Ju. *On Tricomi's problem for a system of equations of parabolic-hyperbolic type* ... **25** 581
An estimate of the solution of the Tricomi problem for a system of equations of parabolic-hyperbolic type ... **26** 82
Karacuba, A. A. See Arhipov, G. I.
Karapetjan, G. A. See Kazarjan, G. G.
Karapetjanc, N. K. and Rubin, B. S. *Radial Riesz potentials on the disk and fractional integration operators* ... **25** 522
Kaščenko, S. A. *Investigation, by large parameter methods, of a system of nonlinear differential-difference equations modeling a predator-prey problem* **26** 420
Katrahov, V. V. *The method of transformation operators in the theory of general weighted boundary value problems for singular and degenerate elliptic equations with a parameter* ... **26** 439
Kazarjan, G. G. and Karapetjan, G. A. *Convergence of Galerkin approximations to the solution of the Dirichlet problem for some nonelliptic equations* ... **25** 627
Kerimov, A. K. *On optimization problems with free boundaries* ... **26** 372
Kerimov, T. M. *On the regularity of a boundary point for the Zaremba problem* **25** 742
Kerov, S. V. See Veršik, A. M.
Kiričenko, V. F. *Generalized nearly Kählerian manifolds of constant holomorphic conformal curvature* ... **26** 67
Kislov, N. V. *The projection theorem and its application to nonhomogeneous boundary-value problems* ... **26** 24
Klebanov, B. S. *On factoring mappings of products of topological spaces* ... **25** 177

Klibanov, M. V. *On a class of inverse problems* **26** 248
Klimentov, S. B. *On the structure of the set of all isometric transformations of a surface of positive curvature that is diffeomorphic to a disk* **25** 12
Knopov, P. S. *On certain properties of two-parameter stochastic integrals* **25** 271
Kobilov, A. Ja. *Nontriviality of some spaces of infinitely differentiable functions in angular domains and the solvability of nonlinear elliptic equations* **26** 443
Kofanov, V. A. *Approximation in the mean of classes of differentiable functions by algebraic polynomials* **25** 224
Kolušov, A. V. *On differentiability of the operator of best approximation by rational fractions* **25** 802
Kondrat'ev, Ju. G. and Košmanenko, V. D. *The scattering problem for operators associated with Dirichlet forms* **26** 585
Konjaev, Ju. A. *On the existence of periodic solutions of some systems of differential equations with a small parameter at the derivative* **25** 583
Korneĭčuk, N. P. [M. P. Kornīĭčuk]. *The approximation of functions and their derivatives by interpolation splines* **25** 806
Korobov, N. M. *On the computation of optimal coefficients* **26** 590
Korobov, V. I. *Solution of the synthesis problem in differential games with the help of the controllability function* **26** 306
Kosarev, A. Ju. *Asymptotics of the averaged characteristics of periodic elastic media with strongly varying properties* **26** 536
Košelev, A. I. *On precise conditions for smoothness of the solutions of elliptic systems, and Liouville's theorem* **26** 252
Košmanenko, V. D. See Kondrat'ev, Ju. G.
Kostin, A. V. and Vitričenko, I. E. *Generalization of Ljapunov's stability theorem in the case of one zero characteristic exponent for nonautonomous systems* **25** 746
Kostrikin, A. I., Kostrikin, I. A. and Ufnarovskiĭ, V. A. *Multiplicative decompositions of simple Lie algebras* **25** 23
Kostrikin, I. A. See Kostrikin, A. I.
Kozlov, N. N. See Èneev, T. M.
Kozlov, V. V. and Oniščenko, D. A. *Nonintegrability of Kirchhoff's equations* **26** 495
Kozlov, V. V. and Palamodov, V. P. *On asymptotic solutions of the equations of classical mechanics* **25** 335
Krasovskiĭ, N. N. and Tret'jakov, V. E. *On program synthesis of a positional control* **25** 874
Kričever, I. M. *Algebro-geometric spectral theory of the Schrödinger difference operator and the Peierls model* **26** 194
Kriksin, Ju. A. *On the porosity of a densely packed powder of spherical particles* **26** 137
Krivenko, E. V. *Averaging singularly perturbed parabolic operators and stabilization of the solution of the Cauchy problem* **26** 447

Krjučkov, V. S. *On the smoothness of the symbol of a Calderon-Zygmund singular integral operator* ... **26** 644
Krupskiĭ, V. N. *Simultaneous approximability of real numbers* ... **26** 545
Kružilin, N. G. and Ščerbina, N. V. *Some examples of domains of holomorphy without analytic structure on the boundary* ... **26** 542
Kružkov, S. N. and Petrosjan, N. S. *Asymptotics of solutions of the Cauchy problem for first-order quasilinear equations* ... **26** 141
Kudrjavcev, D. L. *On Fourier series of functions having a logarithmic fractional derivative* ... **26** 311
Kufarev, B. P. *On a method for investigating the boundary behavior of ACL-functions* ... **26** 456
Kulešov, A. A. *Necessary conditions for optimality in an optimal control problem for a mixed system* ... **26** 145
Kulikov, A. A. *On fundamental solutions and hypoellipticity of some singular differential operators* ... **26** 452
Kusainova, L. K. and Mynbaev, K. T. *On imbedding and compactness theorems for anisotropic weighted Sobolev spaces* ... **25** 481
Kusraev, A. G. *Boolean-valued analysis of duality of extended modules* ... **26** 732
Closed graph and open mapping theorems for convex relations ... **26** 84
General disintegration formulas ... **26** 255
Kusraev, A. G. and Kutateladze, S. S. *Analysis of subdifferentials with the aid of Boolean-valued models* ... **26** 202
Kutateladze, S. S. See Kusraev, A. G.
Kužel', A. V. *Regular extensions of Hermitian operators in a space with an indefinite metric* ... **26** 199
Kuzičev, A. S. *Arithmetically consistent λ-theories* ... **25** 122
Axiomatic theories in combinatorially complete systems ... **25** 671
On the representation of first-order theories in type-free combinatorially complete systems ... **26** 295
Ladyženskaja, O. A. *On the finite-dimensionality of bounded invariant sets for dissipative problems* ... **25** 437
Lar'kin, N. A. *Existence theorems for quasilinear pseudohyperbolic equations* **26** 260
Latuškin, Ju. D. *On a singular integral operator with a nonunivalent shift without wandering arcs* ... **25** 182
Lavrent'ev, M. M. and Amonov, B. K. *Uniqueness and an estimate of the stability of the solution of an internal problem for the heat equation* ... **25** 71
Lazarov, R. D. and Makarov, V. L. *Difference schemes of second-order precision for the axially symmetric Poisson equation on generalized solutions in* W_2^2 ... **25** 15
Legostaeva, I. L. See Blagoveščenskiĭ, Ju. N.
Leĭbo, I. M. *On the dimension of certain spaces* ... **25** 20

Leonov, A. S. *On choosing a regularization parameter by means of the quasi-optimality and ratio criteria for ill-posed linear algebra problems with a perturbed operator* **25** 187

On an application of the generalized residual principle for the solution of ill-posed extremal problems **25** 227

Leont′ev, A. F. *Representation of entire functions by series in Mittag-Leffler functions* **25** 878

Levendorskiĭ, S. Z. *On a general method of studying spectral asymptotics and its application to shell theory* **26** 314

Levenšteĭn, V. I. *Bounds on the maximal cardinality of a code with bounded modulus of the inner product* **25** 526

Levitskaja, A. A. *Invariance theorems for a system of random linear equations over an arbitrary finite ring* **25** 340

Lisica, Ju. T. *Duality theorems and dual categories of shapes and coshapes* ... **25** 373

Cotelescopes and the Kuratowski-Dugundji theorem in shape theory **26** 205

Ljubarskiĭ, Ju. I. *On completeness of linear combinations of simple fractions* **25** 274

Ljubiškin, V. A. See Sadovničiĭ, V. A.

Logofet, D. O. and Ul′janov, N. B. *Necessary and sufficient conditions for sign stability of matrices* **25** 676

Lomonosova, O. M. *The inverse scattering problem for the Schrödinger equation on the line and a new class of solutions of the Korteweg-de Vries equation* **25** 751

Lomov, S. A. (see also Eliseev, A. G.)

Analytic solutions of singularly perturbed problems **26** 88

Losev, G. F. *Local algorithms for computing information with nonfixed memory* **25** 681

Local algorithms for computing information and the problem of a minimal covering **26** 649

Lukašenko, T. P. *On functions of generalized bounded variation and functions absolutely continuous in a generalized sense* **25** 379

Lyčagin, V. V. *The geometry and topology of shock waves* **25** 685

Magaril-Il′jaev, G. G. *Generalized Sobolev classes and inequalities of Bernstein-Nikol′skiĭ type* **25** 810

Magerramov, A. M. (see also Gasymov, M. G.)

Expansion in eigenfunctions of a certain differential operator whose principal part has a multiple continuous spectrum **25** 232

Mahmudov, A. P. *On completeness of the eigenelements of certain nonlinear operator equations* **25** 277

Mahmudov, A. P. and Abbasov, R. Z. *Theorems on integral inequalities in Riemann-Stieltjes integrals, and their applications* **26** 211

Maĭer, Ž. [J. Mayer]. *Isometries in spaces of analytic functions with slowly growing derivative* **26** 424

Makarov, N. G. *Sets of 1-invariance and 1-invariant subspaces (smooth functions)* **25** 191
Makarov, V. L. See Voĭcehovskiĭ, S. A.
Maksimov, V. M. *Equations of Cauchy-Riemann type associated with commutative algebras* **26** 548
Malinovskiĭ, V. K. *On computation of the defect of an asymptotically efficient test in the case of Markov observations* **26** 736
Malyševa, N. B. *On cluster sets of mappings of topological spaces* **25** 814
Mamedov, R. Š. See Džabrailov, A. D.
Mamjan, A. H. *General boundary value problems in a layer* **26** 594
Marčenko, I. I. *On the growth of meromorphic functions of finite lower order* **25** 822
Marčenkov, S. S. *On the classification of algebras with alternating group of automorphisms* **26** 92
Martirosjan, V. M. *An effective solution of the H^∞ interpolation problem with nodes of bounded multiplicity* **25** 441
Martynjuk, A. A. [Martinjuk]. *The averaging method and optimal stabilization of the motions of nonlinear systems* **25** 485
On the stability of motions in nonlinear mechanics **25** 818
Maz'ja, V. G., Nazarov, S. A. and Plamenevskiĭ, B. A. *On homogeneous solutions of the Dirichlet problem in the exterior of a slender cone* **26** 320
Mehija, H. E. [J. E. Mijia]. *Boundary properties of equimorphic functions* **26** 28
Melikjan, S. M. *Specker numbers and degrees of undecidability* **25** 532
Merkov, A. B. *On the sets of points of finite and infinite curvature of the graph of a convex function* **25** 128
Merkur'ev, A. S. and Suslin, A. A. *K-cohomology of Severi-Brauer varieties and the norm residue homomorphism* **25** 690
Meškov, V. Z. *Exponential decrease of solutions of a class of partial differential equations* **26** 460
Mihaĭlec, V. A. *Asymptotics of the spectrum of elliptic operators, and boundary conditions* **26** 464
Mihaĭlov, G. A. *Simulation of random processes and fields on the basis of Palm point flows* **25** 74
Miheev, P. O. See Sabinin, L. V.
Mikitjuk, I. V. *Homogeneous spaces with integrable G-invariant Hamiltonian flows* **26** 216
Minc, G. E. and Tyugu, E. H. *The completeness of structural synthesis rules* **25** 343
Morozov, V. A. *The method of quasisolutions on noncompact sets* **25** 489
Muhamedhanova, R. See Azlarov, T. A.
Muzylëv, N. V. *A condition for a priori monotonicity of heat flow on the boundary* **26** 428
Mynbaev, K. T. See Kusainova, L. K.

Nagaev, S. V. *On an ergodic theorem for homogeneous Markov chains* **25** 281
On the distribution of linear functionals in finite-dimensional spaces of large dimension **25** 347
Napalkov, V. V. *On comparison of topologies in certain spaces of entire functions* **25** 755
Naumkin, P. I. and Šišmarev, I. A. *On the breaking of waves for the Whitham equation* **26** 150
Nazarov, S. A. See Maz'ja, V. G.
Nepeĭvoda, N. N. *On some possibilities of applying constructive analysis to classical analysis* **26** 324
Nersesjan, A. B. See Ĭo, I.
Nesterov, A. V. See Butuzov, V. F.
Nguen Kim An' *On some characteristics of algorithms for minimizing Boolean functions* **26** 741
Nguen Min' Čyong [Nguyễn Minh Chủòng]. *Parabolic pseudodifferential operators of variable order in Sobolev spaces with weighted norms* **25** 132
Parabolic systems of pseudodifferential equations of variable order **25** 636
Nikolaev, E. S. See Kaporin, I. E.
Nikolaev, I. G. and Šefel', S. Z. *Smoothness of convex surfaces on the basis of differential properties of quasiconformal mappings* **26** 599
Novikov, S. P. (see also Dubrovin, B. A. and Veselov, A. P.)
Commuting operators of rank $l > 1$ with periodic coefficients **25** 535
Novikov, V. A. See Ahmerov, R. R.
Novokšenov, V. Ju. *Asymptotics as $t \to \infty$ of the solution to a two-dimensional generalization of the Toda lattice* **26** 264
Novruzov, A. A. (see also Ibragimov, A. I.)
On theorems of Phragmén-Lindelöf type for solutions of second order linear and quasilinear elliptic equations with discontinuous coefficients **26** 376
Oganesjan, S. M. and Starostenko, V. I. *A dual method for solving a linear ill-posed problem using a parametric modified Lagrange functional and Tihonov's variational method* **25** 350
Some properties of an L-pseudosolution and of an element minimizing a generalized Tihonov functional **25** 383
Oleĭnik, O. A. See Iosif'jan, G. A.
Ol'šanskiĭ, G. I. *Convex cones in symmetric Lie algebras; Lie semigroups and invariant causal (order) structures on pseudo-Riemannian symmetric spaces* **26** 97
Oniščenko, D. A. See Kozlov, V. V.
Osilenker, B. O. *On Fourier-Pollaczek series* **26** 153
Ostapenko, V. V. *Approximate solution of convergence-evasion problems in differential games* **25** 285

Otelbaev, M. and Šynybekov, A. N. *On well-posed problems of Bicadze-Samarskiĭ type* **26** 157
Ovčinnikov, V. I. See Berkolaĭko, M. Z.
Ovsepjan, S. G. *On the Stone-Weierstrass approximation theorem* **25** 539
Palamodov, V. P. See Kozlov, V. V.
Panasenko, G. P. (see also Iosif′jan, G. A.)
The principle of splitting an averaged operator for a nonlinear system of equations in periodic and random skeletal structures **25** 290
Pasynkov, B. A. *On monotonicity of the dimension* **26** 654
Paulauskas, V. I. *On the distribution density of the norm of a Gaussian vector in a Banach space* **26** 499
Pčelin, B. K. *On the general theory of almost everywhere polyharmonic functions* **26** 750
Pereverzev, S. V. *On the optimization of adaptive methods for approximate solution of integral equations* **26** 770
Pestov, V. G. *The coincidence of the dimensions* dim *of* 1*-equivalent topological spaces* **26** 380
Petrenko, V. P. *Algebraic differential equations and systems having holomorphic solutions* **25** 28
Petrosjan, N. S. See Kružkov, S. N.
Petrov, V. E. See Its, A. R.
Petrovič, A. Ju. *Application of Abel's method to generalized multiple Fourier series* **25** 826
Petruško, I. M. *On boundary and initial values of solutions of second order parabolic equations* **26** 384
On boundary and initial values in L_p, $p > 1$, *of solutions of second order parabolic equations* **26** 746
Plamenevskiĭ, B. A. (see also Maz′ja, V. G.)
On the index of pseudodifferential operators with isolated singularities of symbols in R^n **25** 494
Platonov, V. P. and Rapinčuk, A. S. *The multiplicative structure of division rings over number fields and the Hasse principle* **26** 388
Pličko, A. N. *On projective resolutions of the identity operator and Markuševič bases* **25** 386
Pliskin, S. Ju. See Žukovskiĭ, E. L.
Pogosjan, G. R. *On the length of verifying tests for logic networks* **25** 390
Pohožaev, S. I. *Imbedding of nonlinear operators and a priori estimates of the solutions of nonlinear equations* **26** 469
Pokotilo, V. G. *On asymptotic properties of minimax estimators when there are random perturbations* **25** 830
Pokrovskiĭ, A. V. See Gil′man, T. S.
Pomel′nikov, Ju. V. *Compactifications and boundary properties of functions.* **25** 640

Ponomarenko, A. I. *Almost homogeneous random fields in a Banach space* ... **25** 238
Popivanov, P. R. *Hypoellipticity of differential operators in the class of generalized periodic functions* ... **26** 393
Prisakaru, K. F. and Soltan, P. S. *On the decomposition of a plane domain into d-convex parts and its application* ... **25** 53
Pšeničnyĭ, B. N. and Hačatrjan, R. A. *Constraints of equality-type in nonsmooth optimization problems* ... **26** 659
Pugačev, V. S. *A generalization of the theory of conditionally optimal estimation and extrapolation* ... **25** 79
Puhnačeva, T. P. See Romanov, V. G.
Pytkeev, E. G. *On condensations onto compact Hausdorff spaces* ... **26** 162
Rabinovič, V. S. *On the algebra generated by pseudodifferential operators on R^n, operators of multiplication by almost-periodic functions, and shift operators* ... **25** 498
Račkauskas, A. See Bentkus, V.
Radkevič, E. V. *On conditions for the existence of a stationary fresh water lens in the presence of infiltration* ... **25** 296
Radžabov, N. *Integral representations and boundary value problems for the generalized Cauchy-Riemann system with a singular line* ... **26** 603
Rapinčuk, A. S. See Platonov, V. P.
Redkovskiĭ, N. N. *A numerical method of solving systems of nonlinear equations* ... **25** 241
Reznik, A. A. *Approximation of the potential surfaces of elliptic operators by difference potentials* ... **25** 543
Rjazanceva, I. P. See Al'ber, Ja. I.
Romanov, A. V. *On sufficient conditions for positive definiteness of radial functions in domains of* $\mathbf{R}^N$ ... **26** 608
Romanov, V. G. (see also Volkova, E. A.)
Romanov, V. G., Kabanihin, S. I. and Puhnačeva, T. P. *On the theory of inverse problems of electrodynamics* ... **26** 476
Romanovskiĭ, R. K. *On Riemann matrices of the first and second kind* ... **26** 663
Rozanov, Ju. A. *The generalized Dirichlet problem* ... **26** 473
Rubanov, I. S. *Characterization of shapes of bicompacta by means of similar spectra* ... **26** 328
Rubin, B. S. See Karapetjanc, N. K.
Rubinov, A. R. *On the reducibility of the generalized traveling salesman problem to a traveling salesman problem of lower dimension* ... **25** 833
Ryčkov, S. V. See Anšakov, O. M.
Ryškov, S. S. and Èrdal, R. M. [Erdahl]. *The geometry of the integer roots of some quadratic equations in several unknowns* ... **26** 668
Sabel'fel'd, K. K. *Vector algorithms in the Monte-Carlo method for solving systems of second-order elliptic equations and Lamé's equation* ... **25** 195

Sabinin, L. V. and Miheev, P. O. *On a symmetric connection in the space of an analytic Moufang loop* ... **25** 136
Šackiĭ, V. P. *On some first order degenerate systems in domains with characteristic part of the boundary* ... **25** 258
Sadovničiĭ, V. A., Dubrovskiĭ, V. V. and Ljubiškin, V. A. *Traces of discrete operators* ... **25** 759
Sadovničiĭ, V. A. and Kangužin, B. E. *On a connection between the spectrum of a differential operator with symmetric coefficients and the boundary conditions* ... **26** 614
Sadullaev, A. *Solution of the Dirichlet problem in a polydisk for the complex Monge-Ampère equation* ... **26** 671
Sadyrhanov, R. S. *On a generalization of closed and proper maps* ... **26** 775
Salahitdinov, M. S. and Urinov, A. K. *On a boundary value problem for an equation of mixed type with nonsmooth lines of degeneration* ... **25** 83
Samarov, K. L. See Bogdanov, R. I.
Samborskiĭ, S. N. *On boundary value problems for overdetermined systems of partial differential equations* ... **25** 139
Samohin, A. V. *On symmetries of linearizable evolution systems of equations* **25** 56
Savel'ev, L. Ja. *Measures on ortholattices* ... **25** 837
Ščerbina, N. V. See Kružilin, N. G.
Sedenko, V. I. *Solvability of initial-boundary value problems for flows of an ideal incompressible inhomogeneous fluid bounded by a free surface* ... **25** 395
Šefel', S. Z. See Nikolaev, I. G.
Šelkovič, V. M. *The algebra of distributions with pointwise singular support* .. **26** 553
Semenova, A. L. *On the definability of arithmetic in its fragments* ... **25** 300
Senusi-Bereksi, L. See Gnedenko, B. V.
Šermenev, A. M. *Spinor structures on complex manifolds* ... **25** 547
Ševaldin, V. T. *Some problems of extremal interpolation in the mean* ... **26** 710
Sevast'janov, B. A. and Kalinkin, A. V. *Random branching processes with interaction of particles* ... **25** 644
Ševčik, V. V. *On subspaces of a Banach space that coincide with the ranges of continuous linear operators* ... **25** 454
Šhanukov, M. H. *On a method of solving boundary value problems for third order equations* ... **26** 272
On some boundary value problems for a third-order equation and extremal properties of its solutions ... **26** 675
Šil'nikov, L. P. See Afraĭmovič, V. S.
Simonenko, I. B. See Čin'Ngok Min'
Širokov, L. V. *An extrinsic characterization of Dugundji spaces and κ-metrizable compact Hausdorff spaces* ... **25** 507
Šišmarev, I. A. See Naumkin, P. I.

Škalikov, A. A. *Theorems of Tauberian type on the distribution of the zeros of holomorphic functions* **26** 785
Skurihin, E. E. *Normal sheaves and cohomological dimension of completely regular spaces* **26** 102
Smirnov, S. N. *On the asymptotic behavior of Feller chains* **25** 399
Smoljanov, O. G. *Infinite-dimensional pseudodifferential operators and Schrödinger quantization* **25** 404
Sobčuk, V. S. *Ricci generalized symmetric Riemannian spaces admit non-trivial geodesic mappings* **26** 699
Sobol', I. M. *On an estimate of the accuracy of a simple multidimensional search* **26** 398
Soldatov, A. P. *On a Riemann-Hilbert problem with a shift* **26** 332
Soltan, P. S. See Prisakaru, K. F.
Soltan, V. P. *Some questions in the axiomatic theory of convex sets* **25** 244
Elements of convex programming in axiomatic convexity theory **26** 431
Starostenko, V. I. See Oganesjan, S. M.
Stečkin, B. S. *Extremal properties of partitions of numbers* **25** 762
Stepanov, S. A. *Rational trigonometric sums and Artin L-functions* **26** 33
Sterlin, A. M. See Kalinin, I. N.
Sternin, B. Ju. *On differential equations of subprincipal type* **26** 221
Subbotin, A. I. and Subbotina, N. N. *The optimum result function in a control problem* **26** 336
Subbotina, N. N. See Subbotin, A. I.
Sŭbin, M. A. See Bondareva, I. N. and Ivrií, V. Ja.
Sukiasjan, G. S. *On random sections of polyhedra* **25** 446
Suleĭmanov, N. M. *On a refinement of Wiman-Valiron type estimates for solutions of evolution equations* **26** 106
Sušinskas, Ju. V. See Bentkus, R. Ju.
Suslin, A. A. (see also Merkur'ev, A. S.)
The quaternion homomorphism for the function field on a conic **26** 72
Svešnikov, A. G. See Gabov, S. A.
Šynybekov, A. N. See Otelbaev, M.
Tahtadžjan, L. A. See Vinogradov, A. I.
Tanana, V. P. and Danilin, A. R. *Necessary and sufficient conditions for convergence of finite-dimensional approximations of regularized solutions* **25** 841
Taškinov, V. A. *Regular subgraphs of regular graphs* **26** 37
Temirbulatov, S. I. *Ill-posed mixed problems of heat conduction* **25** 588
Temljakov, V. N. *Widths of some classes of functions of several variables* **26** 619
Tjuljagin, A. N. *On the asymptotic admissibility of criteria for testing hypotheses about distribution functions* **25** 647
Tret'jakov, V. E. See Krasovskiĭ, N. N.
Trnková, V. *Homeomorphisms of products of countable spaces* **25** 304

Trofimov, V. V. *Completely integrable geodesic flows of left-invariant metrics on Lie groups which are connected with commutative graded algebras with Poincaré duality* **25** 449

Tučke, V. [W. Tutschke]. *A problem with initial values for generalized analytic functions depending on time (generalizations of the Cauchy-Kowalewski and Holmgren theorems)* **25** 201

Tumanov, A. E. and Henkin, G. M. *Local characterization of analytic automorphisms of classical domains* **26** 702

Turaev, V. G. See Ivanov, N. V.

Tverskoĭ, A. A. *Investigation of recursiveness and arithmeticity of signature functions in nonstandard models of arithmetic* **25** 249

Tyugu, E. H. See Minc, G. E.

Ufnarovskiĭ, V. A. See Kostrikin, A. I.

Uglanov, A. V. *Feynman measures with correlation operators of indefinite sign* **25** 32

On the division of generalized functions of an infinite number of variables by polynomials **25** 843

Ulanovskiĭ, A. M. *A description of the class I_0 in the semigroup of standard Kingman p-functions* **26** 109

Ul′janov, N. B. See Logofet, D. O.

Ul′janov, P. L. *Some results on series in the Haar system* **25** 87

Urinov, A. K. See Salahitdinov, M. S.

Uspenskiĭ, V. V. *The topological group generated by a Lindelöf Σ-space has the Suslin property* **26** 166

Vabiščevič, P. N., Degtjarev, L. M. and Drozdov, V. V. *On a method of numerical solution on the first boundary-value problem in the plane for quasilinear elliptic equations* **25** 153

Vagabov, A. I. *On a case of violation of the multiple completeness property of the eigenfunctions for an ordinary differential pencil* **25** 263

Vahanija, N. N. and Čobanjan, S. A. *On a problem of best approximation in a space of vector-valued functions* **25** 565

Vavilov, N. A. See Borevič, Z. I.

Veršik, A. M. and Černjakov, A. G. *Critical points of fields of convex polytopes and the Pareto-Smale optimum with respect to a convex cone* **26** 353

Veršik, A. M. and Kerov, S. V. *Characters and factor representations of the infinite unitary group* **26** 570

Veselov, A. P. and Novikov, S. P. *On Poisson brackets compatible with algebraic geometry and Korteweg-de Vries dynamics on the set of finite-zone potentials* **26** 357

Vinogradov, A. I. and Tahtadžjan, L. A. *An estimate of the residue of Rankin L-series* **26** 528

Vinokurov, V. A. and Gaponenko, Ju. L. *A posteriori estimates of the solutions of ill-posed inverse problems* **25** 325

Višik, M. I. See Babin, A. V.
Vitričenko, I. E. See Kostin, A. V.
Vituškin, A. G. and Ivaškovič, S. M. *On the extension of holomorphic mappings of a real analytic hypersurface into complex projective space*..... **26** 682
Vizing, V. G. *The intensification problem for deterministic maintenance systems*..... **26** 524
Vladimirov, V. S. *A Diophantine moment problem and the Ising model*..... **25** 865
Vladimirov, V. S. and Volovič, I. V. *The Wiener-Hopf equation, the Riemann-Hilbert problem, and orthogonal polynomials*..... **26** 415
Vlasov, V. V. *Multiple minimality of part of the system of root vectors of a Keldyš pencil*..... **25** 511
Voĭcehovskiĭ, S. A., Gavriljuk, I. P. and Makarov, V. L. *Convergence of difference solutions to generalized solutions of the Dirichlet problem for the Helmholtz equation in an arbitrary domain*..... **26** 532
Vol'berg, A. L. *The logarithm of an almost analytic function is summable*..... **26** 238
Volkov, Ju. I. *On approximation operators generated by nonnegative measures* **25** 329
Volkova, E. A. and Romanov, V. G. *Inverse dynamic problems for an anisotropic elastic medium*..... **26** 684
Volovič, I. V. See Vladimirov, V. S.
Vragov, V. N. See Bubnov, B. A.
Vugal'ter, S. A. and Žislin, G. M. *On the discrete spectrum of Schrödinger operators of many-particle systems with two-particle virtual levels*..... **26** 688
Zabreĭko, P. P. and Zafievskiĭ, A. V. *On general conditions for a minimum*. **25** 433
Zafievskiĭ, A. V. See Zabreĭko, P. P.
Zaharov, V. K. *The hyperstonian absolute of a completely regular space*..... **26** 579
Zaĭcev, A. Ju. See Arak, T. V.
Zak, V. L. *The problem of evading several pursuers in the presence of a phase constraint*..... **26** 190
Zalesskiĭ, B. A. *On an estimate of the rate of convergence in the central limit theorem in a Hilbert space*..... **26** 575
Zaričnyĭ, M. M. *Free topological groups of absolute neighborhood retracts and infinite-dimensional manifolds*..... **26** 367
Zav'jalov, B. I. and Droždžinov, Ju. N. *On a multi-dimensional analogue of a theorem of Lindelöf*..... **25** 51
Zelikin, M. I. *Conditions for optimality of singular trajectories in the problem of minimizing a curvilinear integral*..... **26** 631
Zelikina, L. F. *On the question of regular synthesis*..... **26** 635
Zenkin, A. A. *Generalization of Wieferich's theorem to the case of positive integral summands*..... **25** 616
Žikov, V. V. *Questions of convergence, duality and averaging for a certain class of functionals in variational calculus*..... **26** 627
Zislin, G. M. See Vugal'ter, S. A.

Žolkov, S. Ju. *On Radon spaces* **25** 113
Zubova, S. P. *On the Cauchy problem for a differential equation with a singular perturbation in a Banach space* **25** 621
Žukovskiĭ, E. L. and Pliskin, S. Ju. *An uncertainty principle and regularization of linear systems of algebraic equations* **25** 220
Žurbenko, I. G. (see also Balasanov, Ju. G.)
On consistent estimators for higher spectral densities **25** 662